

ABSTRACT OF THE DISCLOSURE

Systems and methods for measuring and setting grid voltages in an image forming device may include setting a first charging device of a first image forming station to a first voltage level and setting a second charging device of the first image forming station to be off; charging a charge-retentive surface with the first charging device set at the first voltage level; measuring and the charge imparted to the charge-retentive surface by the first charging device; storing the measured charge value. Systems and methods may further include repeating the setting, charging, measuring and storing steps for the first charging device for at least one additional voltage level; and determining at least one parameter of the first charging device based on the stored measured charge values for the first charging device for each voltage level.